Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/21/2018 09:50 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123278	-2	1.51	123307	1.50
Blue	F	SSC	125000	124407	-1	2.04	125019	2.02
Blue	E	FITC	15760	15283	-4	3.01	328	22.81
Blue	D	PE	25880	25197	-3	2.11	546	17.11
Blue	B	PerCP-Cy5-5	34075	34316	0	4.23	1045	23.05
Blue	A	PE-Cy7	22776	23079	1	7.39	553	45.04
Red	C	APC	42488	41848	-2	2.63	1588	13.19
Red	A	APC-Cy7	24478	24207	-2	2.83	833	12.67
Violet	B	V450	6304	6092	-4	4.15	384	15.87
Violet	A	V500	26005	25125	-4	3.71	599	12.72

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20384	6.18	606	9	N/A	N/A	Pass
Blue	F	SSC	56583	1.47	572	17	N/A	N/A	Pass
Blue	E	FITC	57	75.94	561	5	0.0154	195	Pass
Blue	D	PE	114	59.67	555	6	0.1294	335	Pass
Blue	B	PerCP-Cy5-5	199	55.34	655	8	0.0071	52	Pass
Blue	A	PE-Cy7	109	112.15	708	11	0.0093	30	Pass
Red	C	APC	377	27.51	601	1	0.0202	118	Pass
Red	A	APC-Cy7	204	28.45	571	0	0.0051	1248	Pass
Violet	B	V450	72	61.61	492	3	0.0296	2433	Pass
Violet	A	V500	91	42.36	509	3	0.0137	952	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.68	-31.20	0.94
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.40
Red	17.41	13.60 - 20.40	N/A	N/A	30.94	31.52	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9842

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments